

TITLE

PREPARATION AND USE OF EXO-2-FLUOROALKYL(BICYCLO[2.2.1]  
HEPT-5-ENES

ABSTRACT OF THE DISCLOSURE

5           There is disclosed a composition comprising a mixture of endo- and  
exo- 2-(bicyclo[2.2.1]hept-5-en-2-yl)- 2,2-fluoroalkyl-ethan-2-ol which is  
rich in the exo isomer, preferably the endo/exo concentration ratio is no  
greater than 5/95. The composition is useful for forming a repeat unit of a  
polymer which polymer may further comprise additional repeat units  
10 derived from tert-butyl acrylate, hydroxyadamantyl acrylate, protected or  
unprotected fluorinated olefins, 2-methyl-2-adamantyl acrylate, 2-  
propenoic acid, 2-hydroxy-1,1,2-trimethylpropyl ester. Polymers of this  
invention are useful as the binder component of a photoresist composition  
for microlithography.

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JMS/dmm